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DIALOG(R)File 347:JAPIO

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OIL SEAL MECHANISM OF BEARING SECTION

PUB. NO.: 58-068552 [JP 58068552 A]
PUBLISHED: April 23, 1983 (19830423)
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APPL. NO.: 56-167036 [JP 81167036]
FILED: October 21, 1981 (19811021)
INTL CLASS: [3] **F16J-015/32** ; F16C-033/78
JAPIO CLASS: 22.1 (MACHINERY -- Machine Elements); 12.5 (METALS -- Working)
JOURNAL: Section: M, Section No. 229, Vol. 07, No. 163, Pg. 39, July 16, 1983 (19830716)

ABSTRACT

PURPOSE: To mount and demount the titled mechanism easily, and to improve durability by forming a groove section to one side surface of an oil seal member and a trough to the other side surface while setting up a lip section at the inside diameter side and an elastic ring member at the outside diameter side.

CONSTITUTION: The **shaft** section 10a of a roll 10 is supported by a **bearing** 12 in a **bearing** housing 11, and the oil **seal** members 1 are symmetrically disposed at the both sides of the **bearing** 12. In this case, the groove sections 2 indented extending over the half or more of the width of said sealing members 1 are formed to one side surfaces of the members 1, and the trough sections 8 are oppositely shaped at both sides of the deep section of the groove section 2 in the other side surfaces. The stepped **lip** sections 5, intermediate sections thereof have concave sections 6, and the **lip** sections 7 for sealing dust are disposed at the inside diameter sides of the sealing members 1. Contact surfaces 4 joined into the **bearing** housing 11 are formed at the outside diameter sides, and the elastic ring members 3 are buried while notch sections, diameters thereof can be reduced, are shaped to the members 3.

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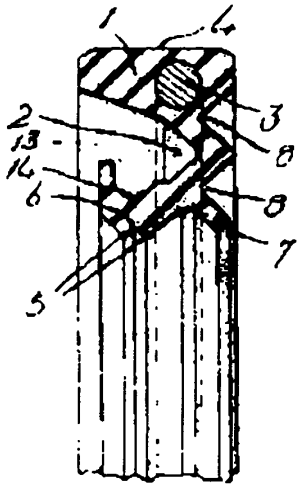
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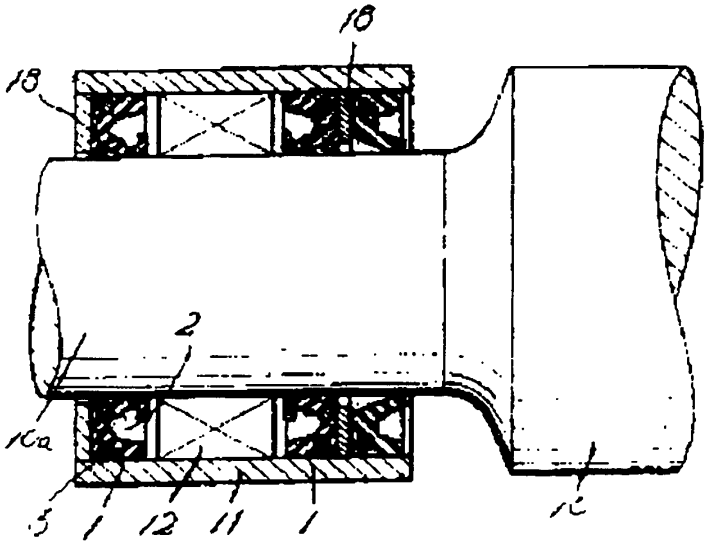
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